# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 4, 2025

## Mouse Anti-SQSTM1 / p62 Monoclonal Antibody, Unconjugated

RRID:AB_945626
Type: Antibody

### Proper Citation

(Abcam Cat# ab56416, RRID:AB_945626)

### Antibody Information

**URL:** http://antibodyregistry.org/AB_945626

**Proper Citation:** (Abcam Cat# ab56416, RRID:AB_945626)

**Target Antigen:** SQSTM1 / p62

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Applications: Immunocytochemistry/Immunofluorescence, Western Blot
Validation: data for WB is available from YCharOS
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

**Antibody Name:** Mouse Anti-SQSTM1 / p62 Monoclonal Antibody, Unconjugated

**Description:** This monoclonal targets SQSTM1 / p62

**Antibody ID:** AB_945626

**Vendor:** Abcam

**Catalog Number:** ab56416

**Record Creation Time:** 20231110T042412+0000

**Record Last Update:** 20241115T060439+0000

## Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development

No alerts have been found for Mouse Anti-SQSTM1 / p62 Monoclonal Antibody, Unconjugated.

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 78 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.

Kumbier K, et al. (2024) Identifying FUS amyotrophic lateral sclerosis disease signatures in patient dermal fibroblasts. Developmental cell, 59(16), 2134.

Tam TH, et al. (2024) Pain hypersensitivity is dependent on autophagy protein Beclin 1 in males but not females. Cell reports, 43(6), 114293.

Caldi Gomes L, et al. (2024) Multiomic ALS signatures highlight subclusters and sex differences suggesting the MAPK pathway as therapeutic target. Nature communications, 15(1), 4893.

He Y, et al. (2024) Deficient tRNA posttranscription modification dysregulated the mitochondrial quality controls and apoptosis. iScience, 27(2), 108883.

de Talhouët C, et al. (2024) KAT8 compound inhibition inhibits the initial steps of PINK1-dependant mitophagy. Scientific reports, 14(1), 11721.

Nurmi K, et al. (2024) Truncating NFKB1 variants cause combined NLRP3 inflammasome activation and type I interferon signaling and predispose to necrotizing fasciitis. Cell reports. Medicine, 5(4), 101503.

Date Y, et al. (2024) Novel autophagy inducers by accelerating lysosomal clustering against Parkinson's disease. eLife, 13.

Stigliani A, et al. (2024) Adaptation to an acid microenvironment promotes pancreatic cancer organoid growth and drug resistance. Cell reports, 43(7), 114409.

Sharma S, et al. (2024) Calcium level and autophagy defect in GNE mutants of rare neuromuscular disorder. Cell biology international.

Joshi CS, et al. (2024) D-Mannose reduces cellular senescence and NLRP3/GasderminD/IL-1?-driven pyroptotic uroepithelial cell shedding in the murine bladder. Developmental cell, 59(1), 33.

He L, et al. (2023) C9orf72 functions in the nucleus to regulate DNA damage repair. Cell death and differentiation, 30(3), 716.

Szewczyk B, et al. (2023) FUS ALS neurons activate major stress pathways and reduce translation as an early protective mechanism against neurodegeneration. Cell reports, 42(2), 112025.

Wang X, et al. (2023) Bexarotene improves motor function after spinal cord injury in mice. Neural regeneration research, 18(12), 2733.

Shi X, et al. (2023) MARCH7-mediated ubiquitination decreases the solubility of ATG14 to inhibit autophagy. Cell reports, 42(9), 113045.

Gallagher ER, et al. (2023) The selective autophagy adaptor p62/SQSTM1 forms phase condensates regulated by HSP27 that facilitate the clearance of damaged lysosomes via lysophagy. Cell reports, 42(2), 112037.

Lee H, et al. (2023) ApoE4-dependent lysosomal cholesterol accumulation impairs mitochondrial homeostasis and oxidative phosphorylation in human astrocytes. Cell reports, 42(10), 113183.

Krause GJ, et al. (2023) Molecular determinants of the crosstalk between endosomal microautophagy and chaperone-mediated autophagy. Cell reports, 42(12), 113529.

Kirchenwitz M, et al. (2023) RhoB promotes Salmonella survival by regulating autophagy. European journal of cell biology, 102(4), 151358.

Abbonante V, et al. (2023) Lack of COL6/collagen VI causes megakaryocyte dysfunction by impairing autophagy and inducing apoptosis. Autophagy, 19(3), 984.

Chen W, et al. (2023) Nutrient-sensing AgRP neurons relay control of liver autophagy during energy deprivation. Cell metabolism, 35(5), 786.